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United States Department of Agriculture,

WASHINGTON, D. C., February 28, 1921.

MONTHLY LIST OF PUBLICATIONS.

[FEBRUARY, 1921.]

READ CAREFULLY BEFORE ORDERING.

 Send no remittances to the U. S. Department of Agriculture.

A copy of any of the publications listed herein, except those otherwise noted, may be obtained free upon application to the Chief of the Division of Publications, United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts.

After this department's supply is exhausted, publications can still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices noted herein.

 Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

FARMERS' BULLETINS—FOR FREE DISTRIBUTION.

 NOTE.—The department's supply of the current numbers of Farmers' Bulletins is ordinarily sufficient to make it possible to send them free to all applicants. They are also for sale at 5 cents per copy, unless otherwise noted.

House Cleaning Made Easier. By Sarah J. MacLeod, Specialist in Household Management, Office of Home Economics. Pp. 31, figs. 6. Contribution from the States Relations Service. January, 1921. (*Farmers' Bulletin 1180*.)

How to make housecleaning simpler and easier and at the same time get full service from the materials used in the furnishing and care of the house are the problems discussed in this bulletin.

Pork on the Farm. Killing, Curing, and Canning. By F. G. Ashbrook and G. A. Anthony, Animal Husbandry Division, and Franz P. Lund, States Relations Service. Pp. 44, figs. 22. Joint contribution from the Bureau of Animal Industry and States Relations Service. February, 1921. (*Farmers' Bulletin 1186*.)

This bulletin discusses the details of converting the farm-grown hog into high-class, appetizing, nutritious foods available for use in the fresh, cured or canned state at any season of the year.

DEPARTMENTAL BULLETINS—TECHNICAL.

 The publications listed below are technical or scientific treatises or bulletins applying to a special industry or locality. The edition is limited, but they will be furnished free to persons who can use such specialized information as long as the supply lasts.

Unit Requirements For Producing Market Milk In Vermont. By J. B. Bain, Dairy Husbandman; R. J. Posson, Market Milk Specialist; and Ralph P. Hotis, Assistant Market Milk Specialist, Dairy Division. Pp. 18. Contribution from the Bureau of Animal Industry. Feb. 21, 1921. (*Department Bulletin 923*.) Price, 5 cents.

The figures reported in this study were obtained from typical farms in a milk section of Vermont. They show the requirements for producing milk in that section and may approximate the requirements in similar sections.

Tear-Stain of Citrus Fruit. By John R. Winston, Pathologist, Office of Fruit Disease Investigations. Pp. 12, pls. 2. Contribution from the Bureau of Plant Industry. (Professional Paper). Jan. 26, 1921. (Department Bulletin 924.) Price, 5 cents.

This bulletin describes the disease and gives the results arrived at by spraying and inoculation experiments.

A Bachtic Variation in Maize. By J. H. Kempton, Assistant in Crop Acclimatization. Pp. 28, pls. 19, figs. 8. Contribution from the Bureau of Plant Industry. (Professional Paper). Feb. 18, 1921. (Department Bulletin 925.) Price, 20 cents.

This bulletin discusses the agricultural advantages of brachysm in maize which seems admirably adapted to meet the unusual requirements of dry land and irrigated regions.

Cottonseed Meal for Horses. By G. A. Bell and J. O. Williams, Animal Husbandry Division. Pp. 10. Contribution from the Bureau of Animal Industry Dec. 17, 1920. (Department Bulletin 929.) Price, 5 cents.

The test reported in this bulletin was conducted to determine to what extent cottonseed meal may be fed to horses with safety.

Corn-Belt Farmers' Experience with Motor Trucks. By H. R. Tolley, Agricultural Engineer, and L. M. Church, Assistant in Farm Accounting. Pp. 34, figs. 3. Contribution from the Bureau of Public Roads. Feb. 25, 1921. (Department Bulletin 931.) Price, 10 cents.

This bulletin summarizes the experience with motor trucks of \$31 grain and live-stock farmers in the corn belt who have motor trucks for use on their own farms.

Comparative Spinning Tests of Meade and Sea Island Cotton. By Wm. R. Meadows, Cotton Technologist, and W. G. Blair, Assistant in Cotton Testing. Pp. 5. (Professional Paper). Feb. 21, 1921. (Department Bulletin 946.) Price, 5 cents.

Discusses the results of spinning tests on representative bales of Meade and Sea Island cotton grown during the seasons of 1916-17, 1918-19, and 1919-20, in order to determine the practical spinning value of the Meade cotton in comparison with that of Sea Island cotton.

MISCELLANEOUS.

Report of the Guam Agricultural Experiment Station, 1919. Pp. 52, pls. 7. Feb. 17, 1921. Price, 10 cents.

Poultry Keeping In Porto Rico. By H. C. Henricksen, Specialist in Farm Management. Pp. 22, figs. 14. February, 1921. (Circular 19, Porto Rico Experiment Station.) Price, 5 cents.

Contents and Index to Technical Series No. 16, Papers on Coccidae or Scale Insects. Pp. iv, 117-132. Bureau of Entomology. Feb. 19, 1921. Price, 5 cents.

Contents and Index to Technical Series No. 17, Contributions toward a Monograph of the Scolytid Beetles. Pp. xiii, 233-247. Bureau of Entomology. Price, 5 cents.

Contents and Index to Technical Series No. 20, Technical Papers on Miscellaneous Forest Insects. Pp. x, 165-185. Bureau of Entomology. Feb. 12, 1921. Price, 5 cents.

Australia and New Zealand as Markets for American Fruit. By Samuel B. Moomaw, Special Investigator, and Caroline B. Sherman, Scientific Assistant. Pp. 16. Contribution from the Bureau of Markets. February, 1921. (Department Circular 145.) Price, 5 cents.

The Work of the Huntley Reclamation Project Experiment Farm in 1919. By Dan Hansen, Farm Superintendent. Pp. 27, figs. 4. Contribution from the Bureau of Plant Industry. January, 1921. (Department Circular 147.) Price, 5 cents.

Nicotine Sulphate in a Dust Carrier Against Truck-Crop Insects. By Roy E. Campbell, Scientific Assistant, Truck-Crop Insect Investigations. Pp. 15, figs. 5. Contribution from the Bureau of Entomology. Feb. 21, 1921. (Department Circular 154.) Price, 5 cents.

How Teachers May Use Farmers' Bulletin 1175, Better Seed Corn. By F. A. Merrill, Assistant in Agricultural Education. Pp. 6. Contribution from the States Relation Service. January, 1921. (Department Circular 156.) Price, 5 cents.

How Teachers May Use Farmers' Bulletin 1148, Cowpeas: Culture and Varieties. By F. A. Merrill, Assistant in Agricultural Education. Pp. 8. Contribution from the States Relations Service. January, 1921. (Department Circular 157.) Price, 5 cents.

How Teachers May Use Farmers' Bulletin 1125: Forage for the Cotton Belt. By F. A. Merrill, Assistant in Agricultural Education. Pp. 8. Contribution from the States Relations Service. (Department Circular 158.) Price, 5 cents.

Peppers. Pp. 10, figs. 4. Contribution from the States Relations Service. January, 1921. (Department Circular 160.) Price, 5 cents.

Cotton Culture in the San Joaquin Valley in California. By Wofford B. Camp, Assistant in Crop Acclimatization and Adaption Investigations. Pp. 22, figs. 11. Contribution from the Bureau of Plant Industry. February, 1921. (Department Circular 164.) Price, 5 cents.

Pisgah National Game Preserve. Regulations and Information for the Public. Pp. 11. Contribution from the Forest Service. 1921. (Department Circular 161.) Price, 5 cents.

SERIALS.

Journal of Agricultural Research. (For sale only.) Vol. 20, No. 7, Jan. 3, 1921. Contents: Fusarium-Wilt of Tobacco (w. G-214.) By James Johnson. Sugar Beet Top Silage. (w. Idaho-4.) By Ray E. Neidig. Nodule Bacteria of Leguminous Plants. (wg. G-215.) By F. Lohnis and Roy Hansen. Correlation and Causation. (wh. A-55.) By Sewall Wright. Measurement of the Amount of Water that Seeds Cause to Become Unfree and Their Water-Soluble Material. (wi. Mich.-12.) By George J. Bouyoucos and M. M. McCool. Pp. 515-593, pls. 7, figs. 17. Price, 20 cents.

Same. Vol. 20, No. 8, Jan. 15, 1921. Contents: Inheritance of Syndactylism, Black, and Dilution in Swine. (wj. Ill.-10.) By J. A. Detlefsen and W. J. Carmichael. Four Rhynchophora Attacking Corn in Storage. (wk. K-80.) By Richard T. Cotton. Concentration of Potassium in Orthoclase Solutions Not a Measure of Its Availability to Wheat Seedlings. (wm. G-216.) By J. F. Breazeale and Lyman J. Briggs. Composition of Tubers, Skins, and Sprouts of Three Varieties of Potatoes. (wu. E-15.) By F. C. Cook. Further Studies in the Deterioration of Sugars in Storage. (wo. La. 3.) By Nicholas Kopeloff H. Z. E. Perkins, and C. J. Welcome. Freezing of Fruit Buds. (wp. Utah-12.) By Frank L. West and N. E. Edlefsen. Pp. 595-667, pls. 6, figs. 5. Price, 20 cents.

Same. Contents and Index to Volume 18. Pp. xx, 607-618. February, 1921. Price, 5 cents.

NOTE.—Volumes 1 to 4 of the Journal of Agricultural Research were published monthly, volumes 5 to 16 weekly, and volume 17 monthly. Beginning with volume 18, the issue is semimonthly. The Journal is distributed free only to the libraries of agricultural colleges and experiment stations, to large universities, technical schools, and such institutions as make suitable exchanges with the department. It will not be sent free to individuals. The Superintendent of Documents will receive subscriptions for this publication, the price being \$1.50 per year for domestic circulation and \$2 for foreign circulation.

Experiment Station Record. Vol. 44. No. 1, January, 1921. E. W. Allen, Ph. D., Editor. Pp. 1-100. Price, 15 cents.

Same. Vol. 44, No. 2. February, 1921. Pp. 101-200. Price, 15 cents.

NOTE.—The Record is a technical review of the world's scientific literature pertaining to agriculture. It is not intended for general distribution and its free distribution is restricted to persons connected with the agricultural colleges, experiment stations, and similar institutions, and to libraries and exchanges. It can not be sent free to individuals having no official connection with public institutions. The Superintendent of Documents will receive subscriptions for this publication, which is issued in two volumes a year, 10 numbers each, at \$1 a volume.

The Monthly Crop Reporter. Vol. 7, No. 2, February, 1921. Pp. 9-24. (Bureau of Crop Estimates.) Price, 25 cents a year.

Contains data relating to agriculture, including estimates of acreage, conditions, yield, prices, and value of crops and live stock.

ANNOUNCEMENT.—Because of the small fund available for printing it has been found necessary to drop from the mailing list of the Monthly Crop Reporter all names of persons who are not actively cooperating with the United States Department of Agriculture. Persons whose names are dropped may subscribe for this publication through the Superintendent of Documents, Washington, D. C., at the domestic rate of 25 cents per year, and 40 cents per year to foreign addresses, payable only by postal money order or cash. No checks accepted.

The Market Reporter. Vol. 3, Nos. 6-9, inclusive, February, 1921. (Bureau of Markets.) For free distribution to applicants who show the need for it.

The Market Reporter is the official marketing publication of the United States Department of Agriculture. It contains general, current, and statistical marketing information for important classes of agricultural products, both staple and perishable, which is of general interest and of permanent value alike to producers, dealers, and consumers.



Weekly News Letter.

Contains a weekly summary in popular form of the more important practical discoveries and recommendations of all bureaus of the department. Free list confined to departmental employees, official cooperators, and the press. May be purchased from the Superintendent of Documents, Government Printing Office, for 50 cents a year.

SOIL SURVEYS.

All requests for soil surveys are referred to the Bureau of Soils for attention, the distribution of same being controlled by that bureau.

Soil Survey of the Millville Area, New Jersey. By C. C. Engle, L. L. Lee, and H. A. Miller, of the Department of Conservation and Development of New Jersey, and Austin L. Patrick, J. M. Snyder, and Howard C. Smith, of the U. S. Department of Agriculture. Pp. 46, pls. 8, figs. 2. 1 map. (From F. O. Soils, 1917.) Price, 15 cents.

SERVICE AND REGULATORY ANNOUNCEMENTS—FOR SALE ONLY.

These contain *only* information, instructions, and notices governing the enforcement of the food and drugs act, meat inspection, 28-hour, and quarantine laws, and the various regulations of the department. Issued monthly by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by same. Others desiring copies are respectfully referred to the Superintendent of Documents, Government Printing Office, who has them for sale *only*, at prices noted.

Bureau of Animal Industry. No. 164. Pp. 139-148. Feb. 14, 1921. Price, 5 cents.

Same. No. 165, January, 1921. Pp. 1-16. Feb. 25, 1921. Price, 5 cents.

Bureau of Chemistry. Supplement 95. (N. J. 8201-8250) Pp. 143-181. Feb. 3, 1921. Price, 10 cents.

Same. Supplement 97. (N. J. 8301-8350) Pp. 203-224. Feb. 21, 1921. Price, 10 cents.

Same. Supplement 98. (N. J. 8351-8400) Pp. 227-266. Feb. 19, 1921. Price, 10 cents.

PUBLICATIONS OF THE WEATHER BUREAU.

Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted herein.

Monthly Weather Review. Vol. 48, No. 11. November, 1920. Jan. 21, 1921. Pp. 627-685, figs. 20, charts 16. Price 25 cents a copy, \$2.50 a year. Payable to the Superintendent of Documents.

Special Articles: Flying weather in the Southern Plains States. By J. A. Reihle. Surface winds and lower clouds. By F. E. Hartwell. The cooling of the soil at night, with special reference to late spring frosts. By T. B. Franklin. Problems on the relation between weather and crops. By L. D. Vaughan. Influence of cold in stimulating the growth of plants. By F. V. Coville. Monthly variation of the precipitation, altitude relation in the central Sierra Nevada of California. By B. M. Varney. Flood crests on the Ohio and Mississippi, and their movement. By A. J. Henry. Rules for forecasting the crest stages at Vicksburg, Miss., based upon the stages at Cairo, Ill. By H. W. Smith. Typhoon in the Philippines. By J. Coronas.

National Weather and Crop and Snow and Ice Bulletin. Nos. 5, 6, 7, 8, February, 1921, reporting weather and crop conditions throughout the United States. Issued weekly. Price, 25 cents a year.

NOTE.—This bulletin is furnished free of charge to public and educational institutions, libraries, newspapers, cooperative observers, weather correspondents, and to those who will post or display it for the general benefit of the public. To all others the price is 25 cents per year, payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

NOT AVAILABLE FOR FREE DISTRIBUTION.

The department's supply of the publications listed below is exhausted. Requests for them, together with the remittance, should be sent to the Superintendent of Documents, Government Printing Office.

An Agricultural Almanac for 1921. Compiled by Bristow Adams. Pp. 64, il. February, 1921. (Farmers' Bulletin 1202.) Price, 10 cents.

The Department has none in stock. It can be only secured by purchase.

JNO. L. COBBS, Jr.
Chief, Division of Publications.